



Project: Alaska Copper Works

Inspection Date: 9/4/19

Project No.: 19ACW1

Technician: David DuBois

System Performance:

Was system running during the inspection? ☒ Yes ☐ No

Flow Rates (gpm) Influent 100 Effluent 150 The flows should be ~155 gpm

Bag Filter #1 Pressures (psi) Influent 9 Effluent 7 The bag filters should be replaced if differential pressure > 8 psi

Bag Filter #2 Pressures (psi) Influent 7 Effluent 7

Carbon Filter Pressures (Lead) Influent 6 Effluent 3 The carbon filters should be backflushed if differential pressure > 8 psi

Carbon Filter Pressures (Lag) Influent 3 Effluent 0

Were the bag filters replaced? ☐ Yes ☒ No

Was the carbon backflushed? ☐ Yes ☒ No

Maintenance and Inspection Checklist:

Task	Completed (Y/N)	Issues/Notes/Comments
Walchem Controller Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	No issues
Flow Meters Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Good
Level Sensor Cleaning/Inspection	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Inspect System Plumbing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Pumps Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
General Housekeeping	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Chemistry Level	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	50 Gal 10% Caustic 55 Gal 25% Caustic
Safety Materials Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
pH Probe Inspection/Calibration	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Verified



Water Sampling:

Were water samples taken? ☐ Yes ☒ No

Raw water:	pH	<u>6.74</u>	Turbidity	<u>5.48</u>	NTU
Bag Filter Influent	pH	<u>7.35</u>	Turbidity	<u>5.45</u>	NTU
Bag Filter Effluent	pH	<u>7.16</u>	Turbidity	<u>2.21</u>	NTU
Carbon Filter Influent	pH	<u>6.45</u>	Turbidity	<u>1.85</u>	NTU
Carbon Filter Effluent	pH	<u>6.31</u>	Turbidity	<u>2.12</u>	NTU

Monthly Tasks:

Were samples submitted to Analytical? ☐ Yes ☒ No

Analytical Lab: _____

Was Walchem data downloaded? ☐ Yes ☒ No

Were the tank sludge levels checked? ☐ Yes ☒ No

Sludge Depth (inches):

Decant Tank: n/a

Treatment tank: n/a

Backflush tank: n/a

Main lift station: n/a

North lift station: n/a

South lift station: n/a

Additional Comments, Recommendations and System Upsets:

Treatment pump was off at the breaker, relayed to onsite personnel and reinstated pump. Lockout was placed on breaker to mitigate further unauthorized shutdown.

David DuBois

Technician

Project Lead Tech

Title

9/4/19

Date

Submit